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01-03-01

PTO/SB/05 (12/97)

Approved through 10/31/2002. OMB 0651-0032

Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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**UTILITY
PATENT APPLICATION
TRANSMITTAL**

Attorney Docket No.

TI-29958

First Inventor

Deng, et al

Title

Apparatus and Method for Microcontroller
Debugging

Express Mail Label No.

EL651154400US

APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application contents.

ADDRESS TO:

Assistant Commissioner for Patents
Box Patent Application
Washington, DC 20231

1. ☒ Fee Transmittal Form
(Submit an original, and a duplicate for fee processing)

7. ☐ CD-ROM or CD-R in duplicate, large table
Computer program (Appendix)

2. ☐ Applicant claims small entity status
See 37 CFR 1.27

3. ☒ Specification [Total Pages **32**]
(preferred arrangement set forth below)
- Descriptive title of the invention
- Cross References to Related Applications

8. Nucleotide and/or Amino Acid Sequence Submission
(if applicable, all necessary)

a. ☐ Computer Readable Form (CRF)

b. Specification Sequence Listing on:

i ☐ CD Rom or CD-R (2 copies) ; or

ii ☐ paper

c. ☐ Statement verifying identity of above copies

- Statement Regarding Fed sponsored R & D
- Reference to Microfiche Appendix
- Background of the Invention
- Brief Summary of the Invention
- Brief Description of the Drawings (if filed)
- Detailed Description
- Claim(s)
- Abstract of the Disclosure

Drawings(s) (35 USC 113) [Total Sheets **17**]

Oath or Declaration [Total Pages **1**]

a. ☒ Newly executed (original or copy)

b. ☐ Copy from a prior application (37 CFR 1.63(d))
(for continuation/divisional with Box 17 completed)
[Note Box 5 below]

i. ☐ DELETION OF INVENTOR(S)
Signed statement attached deleting inventor(s)
named in the prior application, see 37 CFR
1.63(d)(2) and 1.33(b).

6. ☐ Application Data Sheet. See 37 CFR 1.76

ACCOMPANY APPLICATION PARTS

9. ☒ Assignment Papers (cover sheet & documents)

10. ☐ 37 CFR 3.73(b) Statement ☒ Power of Attorney
(when there is an assignee)

11. ☐ English Translation Document (if applicable)

12. ☒ Information Disclosure
Statement (IDS)/PTO-1449 ☒ Copies of IDS
Citations

13. ☐ Preliminary Amendment

14. ☒ Return Receipt Postcard (MPEP 503)
(Should be specifically itemized)

15. ☐ Certified Copy of Priority Documents(s)
(if foreign priority is claimed)

16. ☐ Other: _____

17. If a CONTINUING APPLICATION, check appropriate box and supply the requisite information:

☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP) of prior application No: _____ / _____

Prior application information

Examiner _____ Group/Art Unit: _____

For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which a copy of the oath or declaration is supplied under Box 5b, is considered as being part of the disclosure of the accompanying application and is hereby incorporated by reference.

18. CORRESPONDENCE ADDRESS

☐ Customer Number or Bar Code Label

(Insert Customer No. or Attach bar code label here)

or ☐ Correspondence address below

NAME

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Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Office, patent and Trademark office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Box Patent Application, Washington DC 20231.

**FEE TRANSMITTAL
for FY 2001**

Patent fees are subject to annual revision.

Complete if Known

Application Number **TBD**
 Filing Date **Herewith**
 First Named Inventor **Deng, et al.**
 Group Art Unit **TBD**

TOTAL AMOUNT OF PAYMENT **\$750.00**

Examiner Name **TBD**
 Attorney Docket Number **TI-29958**

JCS41 U.S. PTO
09/752567

12/28/00

METHOD OF PAYMENT (check one)1. ☒ The Commissioner is hereby authorized to charge indicated fees and credit any over payments to:Deposit Acct. # **20-0668**Deposit Acct. Name: **Texas Instruments, Inc.**

- ☐ Charge Any Additional Fee Required
Under 37 CFR 1.16 and 1.17
☐ Applicant claims small entity status.
See 37 CFR 1.27

2. ☐ Payment Enclosed:☐ Check ☐ Money Order ☐ Other**FEE CALCULATION (continued)**

Large Entity		Small Entity		
Fee Code	Fee (\$)	Fee Code	Fee (\$)	
105	130	205	65	Surcharge-late filing fee or oath
127	50	227	25	Surcharge-late provisional filing fee or over sheet.
139	130	139	130	Non-English specification
147	2520	147	2520	For filing a request for reexamination
112	920*	112	920*	Requesting publication of SIR prior to Examiner action
113	1840*	113	1840*	Requesting publication of SIR after Examiner action
115	110	215	55	Extension for reply within first month
116	390	216	195	Extension for reply within second month
117	890	217	445	Extension for reply within third month
118	1390	218	695	Extension for reply within fourth month
128	1890	228	945	Extension for reply within fifth month
119	310	219	155	Notice of Appeal
120	310	220	155	Filing a brief in support of an appeal
121	270	221	135	Request for oral hearing
138	1510	138	1510	Petition to institute a public use proceeding
140	110	240	55	Petition to revive-unavoidable
141	1240	241	620	Petition to revive-unintentional
142	1240	242	620	Utility issue fee (or reissue)
143	440	243	220	Design issue fee
144	600	244	300	Plant issue fee
122	130	122	130	Petitions to the Commissioner
123	50	123	50	Petitions related to provisional applications
126	240	126	240	Submission of Information Disclosure Statement
581	40	581	40	Recording each patent assignment per property (x # of properties)
146	710	246	355	Filing a submission after final rejection (37 CFR 1.129(a))
149	760	249	380	For each additional invention to be examined (37 CFR 1.129(b))
179	710	279	355	Request for Continued Examination (RCE)
169	900	169	900	Request for expedited examination of a design application

1. BASIC FILING FEE

Large Entity		Small Entity			
Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee Description	Fee Paid
101	710	201	355	Utility filing fee	710.00
106	320	206	160	Design filing fee	
107	490	207	245	Plant filing fee	
108	710	208	355	Reissue filing fee	
114	150	214	75	Provisional fee	

SUBTOTAL (1) **\$ 710.00****2. CLAIMS**

	Total Claims	20**=	Extra claims	Fee from below	Fee Paid
	20		0	18	0
	Independent Claims	3	-3** =	0	80
	Multiple Dependent Claims				

Large Entity		Small Entity		
Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee Description
103	18	203	9	Claims in excess of 20
102	80	202	40	Independent claims in excess of 3
104	270	204	135	Multiple Dependent claims
109	80	209	40	**Reissue independent claims over original patent
110	18	210	9	**Reissue claims in excess of 20 and over original patent

SUBTOTAL (2) (\$) **\$0.00**

Other fee (specify)

*Reduced by Basic Filing Fee Paid SUBTOTAL (3) (\$) **40.00**

SUBMITTED BY

complete (if applicable)

Typed or Printed Name

Brian A. Carlson

Reg. Number

37,793

Signature

Date

12/28/00

Deposit Account User ID

20-0668

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Deng, et al.

Art Unit: TBD

Serial No.: TBD

Examiner: TBD

Filed: Herewith

Docket: TI-29958

For: Apparatus and Method for Microcontroller Debugging



Certificate of Mailing via Express Mail

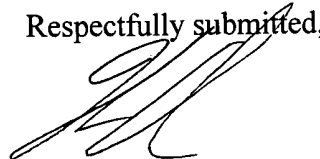
EXPRESS MAIL mailing label number: **EL65154400US**

Date of Deposit: **December 28, 2000**

I hereby certify that the following documents, which are enclosed, are being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and is addressed to: BOX: Patent Application, Assistant Commissioner for Patents, Washington, DC 20231:

- Utility Patent Application Transmittal (1 page)
- Complete Copy of Patent Application (49 pages), to include:
 - Specification with Appendix (32 pages)
 - Drawings (17 pages)
- Declaration and Power of Attorney (1 pages)
- Assignment Recordation Cover Sheet (1 page)
- Copy of Original Signed Assignment (1 page)
- Information Disclosure Statement
 - Form PTO-1449
 - One (1) reference
- Fee Transmittal (1 original and 1 copy)
- Return Postcards (2)

Respectfully submitted,



Brian A. Carlson